SUBJECT INDEX

Aldosterone
  evidence for an alternative pathway of, biosynthesis, 207
Androgen(s)
  receptor(s)
    localisation of functional domains in, 233
Apoptosis
  the mammalian metabolite, 2-methoxyestradiol, affects P53 levels and, induction in transformed cells, 253

Brain
  demonstration of membrane estrogen binding proteins by ligand blotting using a 17β-estradiol-[^{125}I]-bovine serum albumin conjugate in, of rat, 327
Breast cancer
  the role of estrogen receptor mutations in tamoxifen-stimulated, 119

Cortisol
  hydrocortisone induces an increase of amylase content in individual zymogen granules from rat pancreas, 439
  metabolism and inhibition of, by glycyrrhetinic acid in the isolated perfused human placental lobule, 337
Creatine kinase B
  estrogen stimulation of, specific activity in 3T3L1 adipocytes after their differentiation in culture dependence on estrogen receptor, 401
  sex and depot specific stimulation of, in rat adipose tissues by gonadal steroids, 89
Cytochrome 450
  induction of, -1B1 and catechol estrogen metabolism in ACHN human renal adenocarcinoma cells, 223
  the inducible and, -containing dehydroepiandrosterone 7α-hydroxylating enzyme system of *Fusarium moniliforme*, 467

Dehydroepiandrosterone
  stimulation of the estrogen response element by, 461
Dexamethasone
  metabolism of, *in vitro*: species differences, 345
24,25-Dihydroxyvitamin D_3
  specificity of polyclonal antibodies raised against a novel, -bovine serum albumin conjugant, 79
Drosophila ecdysone receptor
  functions as a constitutive activator in yeast, 353

Embryonal carcinoma cells
  activation of fibroblast growth factor 8 gene expression in, of human, Ms 882
Endometrial cancer cell line: Ishikawa
  effects of danazol and progesterone on sex hormone-binding globulin mRNA expression in human, 321
Estrogen(s)
  control by, of the sexual dimorphism in the Harderian gland of *Xenopus laevis*, 455
  -dependent and cell specific regulation of gene expression in RUCA-I endometrial carcinoma cells, 431
  receptor(s)
    auto-regulation of the, promoter, 155
    different, structural domains are required for estrogen- and tamoxifen-dependent anti-proliferation activity in human mammary epithelial cells, 373
    identification of two, transcripts with novel 5′ exons isolated from a MCF-7 cDNA library, 143
    neutral mutations to three acidic AF2 residues in the mouse, confer agonist activity to A-ring isomers of estradiol, 173
    novel, variant mRNA lacking exons 4 to 6 in breast carcinoma, 419
    protein synthesis is not implicated in the ligand-dependent activation of the, in MCF-7 cells, 269
    review of the variants and mutations of, 363
    role of, mutations in tamoxifen-stimulated breast cancer, 119

3,5,3′,5′-tetrachlorobiphenyl is a weak, agonist *in vitro* and *in vivo*, 409
transcriptional regulation of, -responsive genes by non-steroidal, 477
Estrone sulfatase
measurement of, activity in white blood cells to monitor *in vivo* inhibition of steroid sulphatase activity by oestrone-3-*O*-sulphamate, 45

Fibroblast growth factor
activation of, -8 gene expression in human embryonal carcinoma cells, 1
Follicle-stimulating hormone
concerted stimulation of rat granulosa cell deoxyribonucleic acid synthesis by, 11

Glucocorticoid(s)
receptor(s)
differential effects of agonists and antagonists on autoregulation of, in a rat colonic adenocarcinoma cell line, 97

21-Hydroxylase cDNAs
cloning of two alternatively spliced, from rat adrenal, 277
15α-Hydroxylase P-450 (*Cyp* 2a-4) gene
transcriptional regulation by HNF-4 of the steroid, in mouse liver, 307
11β-Hydroxysteroid dehydrogenase Type 1 reductase
inhibition of, by metyrapone, 195
25-Hydroxyvitamin D_3-1α hydroxylase
inhibitors of, 73
Hypophyso-gonadal axis
influence of a transscrotal testosterone propionate administration on the serum level of selected hormones of the, 65
LNCAP prostatic adenocarcinoma cells
derived from low and high passage numbers display divergent responses to androgens and retinoids, 391

c-*Myc* gene
a sequence in the 5′ flanking region confers progestin responsiveness on the human, 243

Neurosteroid(s)
regional brain distribution of the, pregnenolone and pregnenolone sulfate following intravenous infusion, 299
Neurosteroid sulfatase
distribution and characterization of, from the bovine brain, 315

Onapristone
the antiovulatory effect of the antiprogestin, could be related to down-regulation of intraovarian progesterone (receptors), 107

Progesterone
effect of chorion-uterine interaction upon free, metabolism during advanced gestation in the guinea pig, 185
receptor(s)
an N-terminally truncated third, protein: PR_c, 287
clinical implication of expression of, form A and B mRNAs in secondary spreading of gynecologic cancers, 449
second messengers and the control of, production from first trimester trophoblast, 201

Receptor(s)
androgen(s)
localisation of functional domains in the, 233
Drosophila ecdysone
functions as a constitutive activator in yeast, 353
estrogen(s)
auto-regulation of the, promoter, 155
different, structural domains are required for estrogen- and tamoxifen-dependent anti-proliferation activity in human mammary epithelial cells, 373
identification of two, transcripts with novel 5′ exons isolated from a MCF-7 cDNA library, 143
neutral mutations to three acidic AF2 residues in the mouse, confers agonist activity to A-ring isomers of estradiol, 173

novel, variant mRNA lacking exons 4 to 6 in breast carcinoma, 419
protein synthesis is not implicated in the ligand-dependent activation of the, in MCF-7 cells, 269
review of the variants and mutations of, 363
role of, mutations in tamoxifen-stimulated breast cancer, 119
glucocorticoid(s)
differential effects of agonists and antagonists on autoregulation of, in a rat colonic adenocarcinoma cell line, 97
progesterone
an N-terminally truncated third, protein: PR_c, 287
clinical implication of expression of, form A and B mRNAs in secondary spreading of gynecologic cancers, 449

Sex hormone-binding globulin
expression of, exon VII splicing variant mRNA in human uterine endometrium, 385
Sex steroids
concerted stimulation of rat granulosa cell deoxyribonucleic acid synthesis by, 11
Steroid(s)
production of, by co-culture of granulosa cells with innter and outer theca cells in preovulatory follicles of gonadotropin stimulated calves, 213
Steroid dehydrogenase(s)
application to, of an artificial intelligence approach to motif discovery in protein sequences, 29
Sterol(s)
a reporter gene assay for fungal, biosynthesis inhibitors, 165
Tamoxifen
characterization of the "estrogenicity" of, in HepG2 cells, 53
Trans-retinoic acid
glucocorticoids and, synergistically induce transcription from the mouse mammary tumor virus promoter in human embryonic kidney cells, 129

Vitamin D
metabolism of, in human colon adenocarcinoma-derived Caco-2 cells, 21

We would like to express our deep thanks to the following persons for their kind collaboration in reviewing papers for this volume of *The Journal of Steroid Biochemistry & Molecular Biology:*

Ahotupa M., Turku, Finland; **Akwa Y.,** La Jolla, U.S.A.; **Baird D. T.,** Edinburgh, Scotland, U.K.; **Bocchinfuso W.,** Durham, U.S.A.; **Brooks S. C.,** Detroit, U.S.A.; **Edelstein S.,** Rehovot, Israel; **Garcia M.,** Montpellier, France; **Hanukoglu I.,** Tel Aviv, Israel; **Harris S. E.,** San Antonio, U.S.A.; **Hillier S.,** Edinburgh, Scotland, U.K.; **Korach K.,** Durham, U.S.A.; **Miro F.,** Edinburgh, Scotland, U.K.; **Morris D. J.,** Providence, U.S.A.; **Parks L.,** Raleigh, U.S.A.; **Pfeffer U.,** Genova, Italy; **Purdy R. H.,** San Diego, U.S.A.; **Purohit A.,** London, England, U.K.; **Reed M. J.,** London, England, U.K.; **Santen R.,** Charlottesville, U.S.A.; **Savouret J. F.,** Bicêtre, France; **Simard J.,** Quebec, Canada; **Sirard M. A.,** Quebec, Canada; **Stormo G.,** Boulder, U.S.A.; **Wright F.,** Paris, France; **Yue N.,** Charlottesville, U.S.A.; **Zehan C.,** Chicago, U.S.A.

AUTHOR INDEX

Adler S., 477
Aida K., 307
Amir-Zaltsman Y., 401
Andersson-Ross C., 53
Ayotte C., 65

Back D. J., 345
Bäckström T., 299
Bailey T. L., 29
Baker C. J., 287
Baker M. E., 29
Barkhem T., 53
Bartholdi M., 373
Beyer A., 431
Blankenship K. A., 243
Bley M. A., 11
Borràs M., 269
Bosc M. J., 213
Brisson G. R., 65
Broad P., 165
Brooks S. C., 173
Bruder J. M., 461

Cannell G. R., 337
Cao J. Q., 223
Carmeci C., 143
Castillo M. J., 65
Castles C. G., 155
Chan C. M. W., 419
Chieffi P., 455
Chiu I-M., 1
Cleeren A., 269
Cooper S., 165
Cotillon A-C., 467
Coutts A., 363
Cross H. S., 21

Darbre P., 409
deConinck E. C., 143
De Dios I., 439
del Carmen Vila M., 277
Dela Cruz F., 353
Dixon G., 165
Dodds H. M., 337
Donath J., 107
Doostzadeh J., 467
Dotzlaw H., 363
Douglas D., 363
Douya R., 79
Dowsett M., 419

Edwards D. P., 243
Elder M. G., 201
Elkan C. P., 29
El Khissiin A., 269
Erratum E., 361
Esquenet M., 391

Foecking 207
Froome V. A., 45
Fujimoto J., 321, 385, 449
Fuqua S. A. W., 155

Garcia-Montero A. C., 439
Gareau R., 65
Gentry R. N., 243
Gierthy J. F., 223
Glasier M-A., 185
Gomez-Sanchez C. E., 207, 277
Gomez-Sanchez E. P., 207, 277
Grobler C. J. S., 253
Guttiérez Sáinz Á., 65

Habbersett R. C., 253
Han B-K., 315
Hansen R., 155
Hayes C. L., 223
Henry H. L., 73
Heyns W., 391
Higashi T., 79
Hirose R., 449
Hobkirk R., 185
Höglund M., 53
Hopert A-C., 431
Humm R., 373

Ichigo S., 449

Jo D-H., 315
Johnson L. P., 337
Jordan V. C., 119

Kaye A. M., 89, 401
Khalil M. W., 195
Kobayashi N., 79
Kohen F., 401

Lang J. C., 1
Leclercq G., 269
Lee A. S., 73
Lehnert B. E., 253
Leygue E., 363
Li Y., 223
Lino Barañao J., 11
Lottering M-L., 253
Lundgren S., 89
Lutfi H. G., 477

MacLean H. E., 233
Maggs J. L., 345
Mak P., 353
Manso M. A., 439
McPherson L. A., 143
Medh R. D., 129
Meyer A. S., 97
Meyers C. Y., 477
Michna H., 107
Misao R., 321, 385
Moore M. R., 243
Mor G., 401
Morfin R., 467
Mortimer R. H., 337
Muralidharan K. R., 73
Murayama T., 79
Murphy L. C., 363

Nakanishi Y., 321, 385
Negishi M., 307
Nesaretnam K., 409
Nicolle A., 213
Nilsson S., 53
Nishino Y., 107
Nishio K., 307
Norman A. W., 73
Norris B. M., 287

Oesterreich S., 155
Oettel M., 461
Okamura W. H., 73
Orfao A., 439

Park B. K., 345
Park G., 73
Park I-H., 315
Payson R. A., 1
Peterlik M., 21
Pond S. M., 337
Potter B. V. L., 45
Purohit A., 45

Ramirez V. D., 327
Reed M. J., 45
Rodriguez A. I., 439
Rowland-Goldsmith M., 73

Saito K., 79
Sakaguchi H., 449
Sampath-Kumar R., 195
Saragüeta P. E., 11
Satyanarayana Reddy G., 21
Scanlon D., 165
Schmidt T. J., 97, 129
Schuster I., 21
Schwartz J. A., 173
Seegers J. C., 253
Senécal L., 65
Shimada K., 79
Shou Y., 253
Simmons S. J., 373
Sobek L., 461
Sömjen D., 89, 401
Spink B. C., 223
Spink D. C., 223
Strobl J. S., 243
Strunck E., 431
Sullivan M. H. F., 201
Sutter T. R., 223
Swinnen J. V., 391

Tamaya T., 321, 385, 449
Taylor P. J., 337
Thompson D. A., 143
Tomlinson E. S., 345
Tonetti D. A., 119
Tordjman K., 401

van Papendorp D. H., 253
Varriale B., 455
Verhoeven G., 391
Vollmer G., 431

Wahlström G., 299
Waisman A., 401
Wang D. Y., 45
Wang M-D., 299
Warne G. L., 233
Watson P. H., 363
Webster L., 373
Wei L. L., 287
Weigel R. J., 143
White III F. A., 373
Wong M., 185
Wu J., 1
Wünsche W., 431

Yang K., 195
Yokomori N., 307
Yu M., 195

Zajac J. D., 233
Zajchowski D. A., 373
Zheng J., 327
Zhou J-L., 243
Zhou M-Y., 277
Zhou M. Y., 207
Zosmer A., 201

TYPESET IN GREAT BRITAIN BY BPC DIGITAL TECHSET LTD, EXETER. PRINTED BY BPC WHEATONS LTD, EXETER